	1	89.(New) The interconnection component, according to claim 87 wherein:
	2	the contact tip structure comprises multiple metallic layers.
- 1	· (<u>-3</u>
301	l K	90.(New) The interconnection component, according to claim 87 wherein:
	2	the contact tip structure is formed as part of a cantilevered interconnect
	3	structure.
$\int \int_{0}^{\infty} \int_{0}^{\infty} dt$	•	
John J.	1	91.(New) The interconnection component, according to claim 87 wherein:
OS	2	the interconnection element has a relatively flexible core element and a shell on
	3	the relatively flexible core element.
1034		,
the trees that the most tree that the trees the trees that the trees that the trees th	1	92.(New) The interconnection component, according to claim 87 wherein:
	2	the interconnection element has a relatively flexible core and a layer, on the core
11 <u>.</u> 174	3	element, comprising a material selected from the group consisting of nickel, an alloy of
17	4	nickel, cobalt, an alloy of cobalt, and an alloy of nickel and cobalt.
and the second s		
	1	93.(New) The interconnection component, according to claim 92 wherein:
they built furth	2	the core element comprises gold
155.55*		
	1	94.(New) The interconnection component, according to claim 87 wherein:
	2	the resilient elongate element has a core element and a shell;
	3	the core element is readily-shaped and comprises a material selected from
	4	the group consisting of:
	5	(a) gold, aluminum and copper with small amounts of beryllium,
	6	cadmium, silicon and magnesium, and
	7	(b) metals of the platinum group, and
	8	(c) lead, tin, and indium.

	1	95.(New)	The interconnection component according to claim 87 wherein:
10	2	the c	ore element has a diameter in the range of from 0.25 to 10 mils.
	\		
7,9	1	96.(New)	The interconnection component, according to claim 87 wherein:
	2	the c	ore element has a diameter in the range of from 0.5 to 3 mils.
\bigcirc		*.	
١٤٠) الح	. 1	97.(New)	The interconnection component, according to claim 87 wherein:
On	2	the c	ore element has a length in the range of from 10 mils to 500 mils.
12 17	1	98.(New)	The interconnection component, according to claim 87 wherein:
	2	, ,	hell has at least one layer which comprises a material which is
And the state of t	3		ty to provide mechanical properties selected from the group consisting
	4		resiliency yield strength and compliance for the resilient elongate
	5	element.	resimpled yield strength and comphance for the resiment clongate
27 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -	3	ciement.	
All the best of the control of the c	1	99.(New)	The interconnection component, according to claim 98 wherein:
	2	the sh	nell has at least one layer which comprises a material which has a
- 2 d	3	yield strength of at l	east thirty thousand pounds per square inch.
	1	100.(New)	The interconnection component, according to claim 98 wherein:
	2	the sh	nell has at least one layer which comprises a material which has a
	3	tensile strength in ex	acess of 80,000 pounds per square inch.
•			
- 0 r	1-1	101.(New)	The interconnection component, according to claim 87 wherein:

the group consisting of nickel, iron, and cobalt.

the shell has at least one layer which comprises a material selected from

	1	102.(New) The interconnection component, according to claim 87 wherein:
	2	the shell has at least one layer which comprises a material selected from
	3	the group consisting of copper, nickel, cobalt, tin, boron, phosphorous, chromium,
	4	tungsten, molybdenum, bismuth, indium, cesium, antimony, gold, silver, rhodium,
	5	palladium, platinum, lead, and ruthenium.
	1	103.(New) The interconnection component, according to claim 87 wherein:
	$\frac{1}{2}$	the core element comprises gold and the shell comprises a material selected from
	3	the group consisting of nickel and cobalt.
man and man and man the tend to the tend t	1	104.(New) The interconnection component, according to claim 91 wherein:
ij	2	the shell has a thickness in the range of from 0.20 mils to 20 mils.
19	1	105.(New) The interconnection component, according to claim 91 wherein:
	2	the shell has a thickness in the range of from 0.25 to 10 mils.
The state of the s		
	1	106.(New) An electronics assembly comprising:
. W. Janes Heart Leading	2	a substrate;
	3	a resilient elongate element having a first end secured to the substrate; and
	4	a contact tip structure secured to a second end of the resilient elongate
Cu	5	element opposing the first end.
	1	
	1	107.(New) The electronics assembly, according to claim 106 further
	2	comprising:
	3.	a plurality of resilient elongate elements, each having a first end secured to
	4	the substrate; and

		P
	5	a plurality of contact tip structures, each secured to a respective end of the
	6	respective resilient elongate element opposing a respective first end thereof.
	1	108.(New) The electronics assembly, according to claim 106 wherein:
	2	the contact tip structure is separately fabricated and mounted to the
	3	resilient elongate element.
	1	109.(New) The electronic assembly, according to claim 108 wherein:
() .	2	the resilient elongate element has a relatively flexible core element and a
Cont	3	layer on the relatively flexible core element.
13		
The series of th	1	110.(New) The electronic assembly, according to claim 108 wherein:
hun hun hun hun hun hun	2	the resilient elongate element has a relatively flexible core and a layer, on the
one was	3	relatively flexible core element, of a material selected from the group consisting of
	4	nickel, an alloy of nickel, cobalt, an alloy of cobalt and an alloy of nickel and cobalt.
Anna anna High and High		
mun in state of the state of th	1	111.(New) The electronic assembly according to claim 110 wherein:
	2	the relatively flexible core element comprises gold.
	1	112.(New) The electronics assembly, according to claim 106 wherein:
	2	the resilient elongate element has a core element and a shell;
	3	the core element is readily-shaped and comprises a material selected from
• 10	4	the group consisting of:
$C^{n_{i,j}}$	-5 ₇	(a) gold, aluminum and copper with small amounts of beryllium,
Ca	6	cadmium, silicon and magnesium, and
	7	(b) metals of the platinum group, and
	8	(c) lead, tin, and indium.

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	1	113.(New)	The electronics assembly, according to claim 109 wherein:		
	2	the layer comprises a material which is selected for its ability to pro			
	3	mechanical properties selected from the group consisting of spring properties, resilient			
	4	yield strength and compliance for the resilient elongate element.			
(I)	ה				
)) M ₍₁₎	1	114.(New)	The electronics assembly, according to claim 109 wherein:		
Ou.	2	the fir	est end of the relatively flexible core element forms a first intimate		
	3	bond with a conducti	ve contact terminal carried by an electronic component; and		
	4	the lay	ver forms a second intimate bond with at least a portion of the		
100	5	conductive contact te	rminal immediately adjacent the first intimate bond.		
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uj Uj	*				
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